

*Recommended for analysis and endorsement in the BoA meeting dated _____ and
for approval in the OGMS dated _____*

S.C. CONPET S.A. Ploiești
Economic Direction
The Department for Procurement and
Investments Management

ENDORSED,

General Director
Eng. Liviu Ilași
S.s. Illegible

No. 1437/23.01.2015

SUBSTANTIATION NOTE

Regarding the Necessity and Opportunity of the Objectives/Works comprised in 2016-2018 Investments Program

The 2016-2018 Investments program is part of the 2016-2018 Revenues and Expenditure Budget.

For the substantiation of 2016-2018 investments program, the company entities recommended for analysis both the 2013, 2014 achievements, as well as the estimates of 2015 achievements.

CONPET finances the investment activity from own sources and modernization quota. Both sources of financing offer the company a total degree of financial autonomy, not being necessary to consider credit loans.

The own sources are made of other rezerves and amortization.

Out of the modernization quota, CONPET finances investment objectives within the rehabilitation, modernization and development programs agreed upon with the national Agency for Mineral Resources by way of the "Oil Concession Agreement of the activity of operation of the crude oil, rich gas, condensate and ethane national pipeline transport system, here included the major pipelines and installation, equipment and ancillary facilities".

The inclusion of new investment objectives in the 2016-2018 investment plan was made exclusively based on the substantiation notes received up to now.

Given the difficulties our company had to face in performing the works within the previous years, such as:

- Delays in obtaining the right of way for the objectives in the forest and national roads areas;
- Delays caused by the unjustified refusal of the private landowners that conditioned the access for the works execution at the existing pipeline, of the payment of certain amounts that exceeded even the lands sale prices, or even refused distinctly to conclude the agreement, our company facing the impossibility to execute works in these areas;
- Delays in obtaining the Urban Planning Certificate and the Building Permits;
- Imperfections of the Oil Law 238/2004;



And given the updated status of the contracts under performance (feasability studies, design, design and execution, execution), as well as the transport program for 2016, we're currently advancing an investments program for 2016 which approximates 57 million Lei.

Record that for the investment objectives proposed to be finalized during 2016-2018, we have financing sources and there is the possibility to substantially rectify the program, by augmentation of the value thereof, or by the rearrangement thereof within the same approved values.

The means to set the value of the objectives within the 2016 investments program is the following:

- Investment objectives related to execution contracts in progress

Value=value left to be executed as per the contract

Value of 2016 program = 29,819 thousand Lei (25 pieces)

Value of 2017 -2018 program = 14,511 thousand RON

- Investment objectives related to design contracts in progress

Value=value of the design contracts + execution estimated value (corresponding to 2016), out of which:

Value of 2016 program = 9,479 thousand Lei (31 pieces)

Value of 2017 -2018 program = 42,380 thousand RON

- Investment objectives where the design and new works contracting is in progress

Value = value estimated based on the similar works performed during the previous years

Value of 2016 program = 17,678 thousand RON (96 pieces)

Value of 2017 -2018 program = 106,256 thousand RON

The investments projects of major importance included in 2017-2018 proposed programme:

PUBLIC AREA

A. PIPELINE REHABILITATION

The need and opportunity is being set following the smart pig inline inspections, the history of the breakages and soil resistivity measures. A major elements is represented by the measures imposed by the environment and water management authorities contained in the compliance programs.

It was considered the natural performance which involves, primarily, the contracting of the design services and subsequently, the contracting of the execution works.

Following the internal analysis, was performed an optimization of the works according to the hazard implied by each pipeline.

1. Pipeline replacement

Execution contract in progress

- Replacement crude oil pipeline Ø 10 3/4" F2 Radinesti-Ploiesti, in Aninoasa- Batar site areas(0,15km), river Izvoras (0,05km) and Dealul Oltului (0,2km), Valcea county, L= 0,4km;
- Replacement of the crude oil pipeline Ø 14" Constanta-Baraganu, in Valea Nemtilor area(1km)
- Smart pig inspection of lines undercrossing the Danube and Borcea 7 linesx1800 linear meters t lines x 1400 linear meters and of the 14 inch pipeline Poarta Alba – Calareti;
- 28" Constanta-C1 pipeline, on a total length of 10145 m;
- 24" Baraganu-Calareti pipeline on a total length of 16295 m.

Design and Execution contracts in progress

- 10 3/4" Poiana Lacului - Siliste pipeline, Line 1 and Line 2, in Mares area, location cimetry, on both lines, 300m each;
- Crude oil transport pipeline 103/4" F2 Varteju -Orlesti on a length of 30 m in Radinesti site, by the elimination of the pig stations and on a length of 375 m;
- Replacement of rich gas transport pipeline ø 4" degasolination Abramut - Marghita Ramp, in the area of the rail line undercrossing Marghita – Sacuieni 300 m, Petreu village, Abramut commune and replacement of the crude pipeline Petreu warehouse - Marghita Ramp ø 6 5/8" over a length of about 700 m, Ø 4" on a length of about 2500 m, Petreu village, Abramut commune, Bihor county;
- Replacement of crude pipeline Ø 10 3/4"Ghercesti - Icoana in area Section Valve Oltet left river bank - Section Valve Gengea left river bank, on a length of about 2000m;
- Replacement crude oil pipeline 10 3/4" Icoana-Cartojani in areas: Teleorman river -Tatarastii de Sus, on a length of about 350 m, Tatarastii de Sus commune and Icoana Station, on a length of about 850 m, Icoana locality, Olt county;
- Replacement of the crude oil pipeline L2 10 3/4" Radinesti-Ploiesti, in Troita Botorani-Saivan area(L=2.3Km) and in the area plum orchard - Deal Varatec (L=2.4km);
- Systematization of pig laucher/receiver installation in side Moreni station;
- 5 9/16" Turburea-ARPECHIM Pitesti ethane pipeline, Amaradia left river bank, Bratesti locality, over a length of about 350 m;
- Replacement of crude oil pipeline 6 5/8" Ochiuri-Moreni, Ochiuri area, Ochiuri station site - left bank valve over-crossing, on a length of 600m.

Design Contracts in progress

- Replacement of 12 3/4" Line 1 +Line 2 Calareti-Ploiesti pipeline on a total length of 7,915 m, out of which: L1 (5 segments) -4,115 m and L2 (5 segments)-3,800 m;
- Replacement of the crude oil pipeline Ø 4" si 8 5/8" Comanesti-Vermesti, in Zaharoase area, undercrossing the National Road and rail line 4"x270 m, and area parallel to Railway Line 8 5/8"x550 m

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- Replacement of the crude oil pipeline Ø 10 3/4" L1 Barbatesti-Orlesti, Budele area (1,4km)
- Ø 10 3/4" Ghercesti-Icoana crude oil pipeline: section- overcrossing Craiova-Ghercesti County Road – Ghercesti poolside= 370 m, section Teslui right river bank-former river bed= 200 m, section Valea Draghieie area = 250 m, totalling 820 m;
- Crude oil pipeline Ø 10 3/4" Icoana-Cartojani, in SPC Birla area ,approx. length 850m, in Mirosi area - agricultural lands, 2400 m in length, Negreni-Clanita village area, Teleorman county, 1500 m in length, in total 4750 m;
- Ø 5 9/16" Pacureti-Magurele pipeline, Saratel river area, 1200m in length;
- Ø 6 5/8" + Ø 8 5/8" Oprisenesti - Ciresu pipeline, 3000 m;
- Ø 5 9/16" pipeline, Ghelinta station - Imeci ramp on the segment: Sohodal river- v. old Ghelinta warehouse, approx. 4500 m in length;
- 12"+14" Cartojani_Ploiesti Pipeline in Crivat - Catunu areas 550 m + 30 m horizontal drilling DN Ghimpatu crossing Colentina crossing 500 m, Crevedia Mare_Sf Gheorghe and Daia _1100 m;
- Replacement of pipeline section Ø 6 5/8" Teis-Moreni in the area Aninoasa rail valve - rail bridge + road bridge in the area 71 National Road Targoviste-Pucioasa, approx. 1250 m in length, with deviation from private properties and rehabilitation of the pig launcher on the Ø 6 5/8" Teis - Moreni, in the precinct of Teis crude oil station;

Procurement procedure related to the contracting of solution study and design works in progress

- Study regarding the possibility to deviate the pipelines 6" R.A and 6 5/8" Baicoi Centru - Ploiesti Km. 5, by pig receivers and the coupling thereof to the 8" pipeline New.

New Works

Design

- Replacement of Ø 10 3/4 " Icoana – Cartojani, Valea Burzii area, L = 350 m;
- Pipeline Ø 4" Izvoru - connection Ø 10" Icoana - Cartojani, 2450 Linear Meters in length;
- Rehabilitation of 24 inch pipeline in Ovidiu city area, 2450 linear meters in length;
- Replacement of 14 inch pipeline Poarta Alba - Mircea Voda area, 10.5 km in length;
- Replacement of pipeline 6" RA Moreni - Ploiesti (on the administrative territory of Ploiesti- Baicoi sector 9000 meters between the end of CR (Rom. RK) in the area of Petrom Aricesti Warehouse and the start of Ploiesti Western Belt undercrossing.
- Replacement of a crude oil pipeline section Ø 10 3/4 " Line 2 Siliste by route deviation, in Petrobrazi refinery - SKIDS manifold area and replacement of pig launcher/receiver, approx. 900 linear meters in length;
- Assembly of pig receiver on the crude oil pipeline Ø 10" Line 1 Siliste –Ploiesti, Vest Railway Station;
- Replacement of pipeline Ø 4 1/2" Grindu Urziceni, inventory number 121743P section, small Canal – parking site Garbovi border, Ialomita County, approx. 1100 linear meters in length;
- Replacement of crude oil pipeline Ø 8 5/8 inch Lucacesti –Vermesti (inv. No. 120031) along the section parking Panovski - undercrossing of Moinesti - Comanesti National Road, approx. 400 meters;

- Replacement of crude oil pipeline Ø 8 5/8 inch Lucacesti –Vermesti (inv. No. 120031) along the section Lucacesti Station - Magura hill, approx. 1,7 km in length + 6" joint (Petro) up to Moinesti ramp, for about 0.7 km;
- Replacement of pipeline sections Ø 10 3/4" Line 1 + Line 2 Poiana - Lacului - Silistea, approx. 570 m in length, on each of the two pipelines, around Cobia commune, Blidari locality, Dambovita county, between the left bank of the valley from the former park 14 Cobia and the stone road, Blidari locality;
- Replacement of pipeline sections Ø 10 3/4" Line 1 + Line 2 Siliste - Ploiesti, approx. 2700 meters in length, on each of the two pipelines, in the area overcrossing the irrigation canal, Bucsani locality and on the left side of the County Road 720 A, Adanca – Bucsani;
- Replacement of the pipelines sections Ø 10 3/4" Line 1 + Line 2 Siliste – Ploiesti, approx. 160 meters in length, on each of the two pipelines, in the area of Cazaci locality, Dambovita county, at the undercrossing of DN 71 National Road Baldana-Targoviste – Sinaia;
- Replacement of the pipeline 6 5/8" Barbatesti ramp - Petresti, section describing 220 meters in length, around departure pumping station - corner fence unloading ramp;
- Replacement of crude oil pipeline Ø10 3/4" Varteju - Radinesti: section - 400 meters in length in Halangesti;
- Replacement works, on the crude oil pipeline Ø10 3/4" Line 2 Radinesti - Orlesti, Inv. No. 122240P, Glavile commune, Valcea county, on a length of 2500 meters.

2. SAFE DISPOSALS

Aiming at the achievement of several safe disposal works on the infrastructure of the water crossings that are meant to increase the degree of safety in operation of these pipelines, indirectly for the protection against pollution of the waters crossed.

Along time, the crossed water beds undertook various modifications due to natural factors, or human intervention along water courses (exploitations of pit ballast products). The pipeline making the crude oil national transport system are crossing various waters in two design layouts: over and under crossings

The safe disposal works of the pipeline crossings consist in:

- Downdrifts;
- Riverbank protection upstream and downstream of the downdrift
- Wave breakers
- Consolidation of the pipe crossing pile;
- River bank defence along the route of the pipelines parallel with the water bed (destroyed river bank)
- Other works related to pipeline consolidation.

Design contracts in progress

- Safe disposal works related to Cotmeana river under-crossing, on the crude pipelines Ø 10 3/4" Line 1 si Line 2 Orlesti-Poiana Lacului, ethane pipeline Ø 5 9/16" Turburea -Arpechim, optical fiber support pipeline Ø 6 5/8" L2 Orlesti-Albota, in Spata locality area, Lipia village, Arges county;

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- Safe disposal works related to aerial crossing Arges river, Ratesti area, Arges county, left bank;
- Safe disposal works related to scaffold for crude pipeline crossing Ø 10 3/4" Line 1 and Line 2 Orlesti-Poiana Lacului, ethane pipeline Ø 5 9/16" Turburea -Arpechim, Dragoiesti commune, village Buciumeni, Vilcea county;

Procedure for contracting works execution in progress

- Safe disposal works related to Vedea river under-crossing, by crude pipeline Ø 6 5/8" Lact - Icoana, in Icoana locality area, Olt county;

Procedure for contracting design services in progress

- Safe disposal works Arges river crossing, Cateasca area, Arges county, stage 2;
- River bank defence works at the undercrossing of the crude pipeline Ø 10 3/4" L1 Barbatesti - Orlesti, ethane pipeline Ø 5 9/16" Tulburea - Arpechim, optical fiber Ø 5 9/16 "Barbatesti-Ploiesti, Pesceana river, Amarasti commune, Valcea county.
- Solution study and execution of land consolidation works in the safety area of the crude pipeline Line 1 Barbatesti- Ploiesti, in the area of Pesceana river right bank, Livezi locality, Valcea county;
- Tehnical appraisal of Plopu overcrossing of the Trotus river, 182 m in length;
 - Works for consolidation of piles, fix and mobile bearers and pre-stressing cross-ties at Arges river crossing, Cateasca area, Arges county;
 - Safe disposal works related to aerial crossing of Prahova river by Cartojani - Ploiesti 12 3/4" and 14 3/4" pipelines, Stejaru village, Brazi commune, Prahova county;

New Works

- Solution study and safe disposal works related to the crude oil pipeline Ø10 3/4" Line 1 Barbatesti - Orlesti in Verdea Area, Amarasti commune, Verdea Village, Valcea county;
- Solution study and works for consolidation of land/safe disposal of the crude oil pipeline Ø10 3/4" Line 1 Barbatesti - Ploiesti, in Orlesti locality, Orlesti commune, Valcea county;
- Safe disposal of the pipeline Ø 6 5/8" Urlati - Ploiesti and Ø4" optical fiber support at Teleajen River undercrossing;
- Safe disposal works related to the Cartojani - Ploiesti Ø12 3/4" and Ø14 3/4" pipelines undercrossing, Ciorogarlar river, Dambovit county;
- Safe disposal works of the crude oil pipeline Ø10 3/4" Line 2 Radinesti – Orlesti, at Pesceana and Aninoasa rivers crossings.

B. Modernization and monitoring of the cathodic protection system at central and sectoral level, related to Ticleni-Ploiesti, Line 1 and Line 2 crude oil transport pipelines

Execution contract in progress, completion term 2016

C. Modernization and monitoring of the cathodic protection system related to the domestic and import National Transport System – design

Design contract, completion term 2016

D. Modernization and monitoring of the cathodic protection system related to the domestic National Transport System – execution

After completion of the design contract shall be started the procedure for contracting the execution.

E. Pilot system for detection and location of product leaks from the crude oil major pipelines system Videle - Cartojani – Ploiesti

Drafting the tender book in progress, in view of initiating the procedure for contracting design and execution works

F. Consultancy and Technical Assistance

G. Tanks

Execution Contract in progress

- PECICA R1 Tank
- Barbatesti R6 Tank

Design and Execution Contract in progress

- Modernization of Baicoi tank farm

Design Contract in progress

- Poiana Lacului new tank
- Rehabilitation of R9 Tank Cartojani

New Works

- Rehabilitation of the 500 cubic meters buffer tank in Baraganu station
- Calareti Fire Prevention and Extinguishing (Rom. PSI) Installation Tank
- Rehabilitation of R3 crude oil tank, 31500 cubic meters throughput from Calareti station

H. Energy Works

Design contract in progress

- Modernization of exterior illumination equipment by making use of the LED technology sources - East Division and South Division
- Modernization of exterior illumination equipment by making use of the LED technology sources - West Division and Import Division
- Modernization of power feeding in Imeci crude oil loading ramp;
- **New Works**
- Modernization of the vibration and temperature monitoring system for the pumping equipment implemented inside the domestic crude oil transport system;

I. Telecommunication Works

- Enhancing transport capacity microwaves radiorelays on the section Baraganu – Constanta and relocation of Constanta Nord;
- Modernization of the PABX telephone office in locations Ploiesti 1848, Ploiesti Garage, Poiana lacului, Baraganu and Moinesti;
- Optimization of multiplexor Ethernet access network;

J. Modernization of the pumping Stations

Design contracts in progress

- Modernization of Moreni pumping system;
- Modernization of Oprisenesti pumping system;
- Modernization of Madulari pumping system;

Execution Contract in progress

- Modernization of Ciresu pumping system
- Modernization of Bucsani pumping system

New Works

- Modernization of Potlogi pumping system;
- Modernization of Ghelinta pumping system;
- Modernization of Ochiuri pumping system;
- Modernization of Marghita pumping system;

K. Ramps Modernization

Design Contracts in progress

- Modernization of Independenta loading ramp

New Works

- Modernization of Ciresu ramp
- Modernization of Berca ramp
- Modernization of Imeci ramp

L. Buildings and Fencing

Finalized technical appraisal contract

- Modernization of building social group Barbatesti warehouse
- Modernization of Barbatesti warehouse's storage building
- Modernization of Fire Prevention and Extinguishing (Rom. PSI) Shed 1 Barbatesti ramp
- Modernization of Fire Prevention and Extinguishing (Rom. PSI) Shed 2 Barbatesti ramp

New Works

- Poiana Lacului station fencing
- Marghita ramp fencing

M. Automation and SCADA Works

New Works

- Modernization of the automation of the leaks tanks in Calareti stations A and B
- Automation of rail tanks loading system Suplac;
- Local automation of non-modernized stations;
- Optimization of SCADA system and Hardware and Software of the Remote Transmission Unit (RTU)
- Patrimonial Geographic Evidence System

N. Other Investment Objectives

- Rehabilitation of the access road to Barbatesti warehouse

O. Projects, Studies, Technical Appraisals

New Works

Solution Study regarding the adaptation of a number of measuring skids in view of optimizing the operation thereof;

Feasibility study regarding an automated system for the surveillance of the main lines

OPERATING AREA

A. Investment objectives

- **Pipeline rehabilitation**

Design contract in progress

- Replacement crude oil pipeline Ø 10 3/4" Vermesti-Tg. Ocna-Rafo Onesti, in Bogata-Balta Dofteana areas (2,5km), Caraboaia river- Uz river (1km), Larga bridge - Trotus crossing (3km), L=6,5 km;
- Crude pipeline Ø 10 3/4" Vermesti-Tg Ocna - Rafo Onesti, areas pig station Tg Ocna - Monument Zaharia, L=2 km, v. SPV Bogata - Valea Dofteana, L= 1 km
- Crude pipeline Ø 6 5/8" Uralati-Ploiesti, Matizol- Ploiesti Eastern belt highway area, L= 1,5 km
- Replacement of a section, 2500 ml in length, of the crude pipeline 6 5/8" Pig station Banesti- Baicoi Centre, between overcrossing of Doftana left bank and Aurel Vlaicu monument in Banesti commune;
- Ø 6 5/8" rich gas pipeline Ticleni - Ploiesti: 300 m section in Diculesti area, Valcea
- Ø 6 5/8" rich gas pipeline Ticleni - Ploiesti: 300 m section in Fauresti area (police station) Valcea and 300 m section in Plesoiu-Salcia area (Dolj).

New Works:

- Replacement of a section of the crude oil pipeline Ø 8 5/8" NEW by route deviation, in Petrobrazi refinery - SKIDS Manifold area and replacement of pig launcher/receiver, approx. 800 linear meters in length;

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- Replacement of crude oil transport pipeline Ø 10 3/4" Vermesti-Rafo Onesti (inventory number 120036) along the route: Vermesti work site – Plopu crossing of Trotus river in a length of about 1.4 km.

- **Water feeds**

Design and Execution contract in progress

- Barbatesti Water feed

- **Buildings, stations' fencing**

Finalized technical appraisal contract

- Garage building Moinesti
- Offices building OHS Orlesti
- Automobile garage and service repair buildings Orlesti
- Headquarters Biled-Pecica sector
- Offices Building Pecica ramp
- Jendermes building Barbatesti warehouse
- Service repair building Barbatesti warehouse
- Deposit building Barbatesti warehouse
- Social building Barbatesti ramp
- Building for shunting procedures Barbatesti ramp
- Door man building Barbatesti ramp
- Barbatesti ramp residential building

Design contract in progress

- Modernization of administrative headquarters II building ensemble

- **LDH and rail tanks**

New execution works

- Transformation of LDH 1250 HP in locomotive LEA 155 KW Barbatesti ramp

- **Other works**

Execution contract in progress

- Implementation of a Document management solution
- Modernization of relay station building

New works

- Climatization and monitoring of the locations related to the telecommunication system
- Modernization of the IT network
- ERP migration
- Video surveillance systems in 10 CONPET locations
- Implementation and wireless infrastructure equipment at CONPET headquarters in Ploiesti
- Information and Business Center CONPET S.A. headquarter I
- **Intangible investments**
- Supplement of Biddefender licenses

B. INDEPENDENT FACILITIES AND EQUIPMENT LIST

The most important procurements being represented by:

- Buldo-excavators and land utility vehicles, given the legal provisions in force;
- Portable machinery for rectification of the valve surfaces;
- Stand for pressure valve testing;
- Campus modules;
- Night vision devices;
- Pipeline surveillance device;
- Lab technology (digital densimeter, centrifuge, distillation unit, thermostated bathes, water distillation unit)
- Industrial computers for prover operation
- Copiers
- Computer Technology - computers and printers, given the legal provisions in force.

To conclude, we recommend for endorsement the substantiation note regarding the necessity and opportunity of the objectives/works comprised in 2016-2018 investment program (attached).

Director of the Economic Direction
Econ. Sanda Toader, S.s. Illegible

Manager of the Procurement and Investment Management Department,
Eng. Radu Albu, S.s. Illegible

INVESTMENTS PROGRAM 2016-2018

Nr. crt.	Name of the Objective	Value of the investment objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	KM 2016	Program 2016				out of which:				KM Estimate 2017	2017		KM Estimate 2018	2018		Observations			
					total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota		own sources								
Total general, o/w:					234,302	13,605	24	56,976	42,326	14,650	7,263	14,320	17,093	18,300	42	82,745	59,921	22,824	27	80,402	58,267	22,135
I	PUBLIC DOMAIN	188,830	12,861	24	42,796	42,326	470	6,065	10,875	13,075	12,781	37	61,121	59,921	1,200	23	59,867	58,267	1,600	1,600		
1.1	Pipeline Rehabilitation, out of which:	98,660	9,129	24	26,788	26,788	0	3,352	6,825	7,875	8,736	37	37,158	37,158	0	23	21,400	21,400	0	0		
a)	ONGOING WORKS	81,128	8,887	24	23,909	23,909	0	3,243	6,485	6,910	7,271	37	28,647	28,647	0	23	15,500	15,500	0	0		
1	Replacement of the crude oil pipeline Ø 14" Constanta-Barganu, in Valea Nemtor area(1km)	59,968	8,887	24	23,209	23,209	0	3,243	6,485	6,795	6,686	32	24,662	24,662	0	4	3,210	3,210	0	0		
2	Replacement crude oil pipeline Ø 10 3/4"F2 Radnesti-Ploiesti, in Arinoasa- Batar site areas(0.15km), river Izvoas (0.05km) and Dealul Otului (0.2km), Valcea county, L= 0.4km	487	9	1	478	478		350	128	0	0		0	0			0	0		0		
3	10 3/4" Poiana Lacului - Siliste pipeline, Line1 and Line 2, in Mares area, location cemetery, on both lines, 300m each	433	423		10	10		10	0	0	0		0	0			0	0		0		
4	28" Constanta-C1 pipeline, on a total length of 10145 m	381	15	0.00	100	100		0	0	50	50	0.60	266	266			0	0		0		
5	24" Barganu-Calareti pipeline on a total length of 16295 m	14,235	3,735	3.70	6,353	6,353		1,000	2,000	2,000	1,353	3.50	4,147	4,147			0	0		0		
6	Replacement of 12 3/4" Line1 +Line 2 Calareti-Ploiesti pipeline on a total length of 7,915 m, out of which: L1 (5 segments) -4,115 m and L2 (5 segments)-3,800 m.	14,429	710	8.20	7,019	7,019		0	2,019	2,500	2,500	7.90	6,700	6,700			0	0		0		
7	Crude oil transport pipeline 103/4" F2 Varteju - Orlest on a length of 30 m in Radnesti site, by the elimination of the pig stations and on a length of 375 m.	6,394	194	1.50	900	900		0	10	490	400	6.40	5,300	5,300			0	0		0		
8	Replacement of rich gas transport pipeline Ø 4" degasification Abramut - Marghita Ramp, in the area of the rail line undercrossing Marghita - Saculeni 300 m, Petreu village, Abramut commune and replacement of the crude pipeline Petreu warehouse - Marghita Ramp Ø 6 5/8" over a length of about 700 m, Petreu village, Abramut commune, Bihor county.	310	15	0	5	5		5	0	0	0	0.40	290	290			0	0		0		
9	Replacement of crude pipeline Ø 10 3/4"Chercesti - Icoana in area Section Valve Oilet left river bank - Section Valve Gengea left river bank, on a length of about 2000m.	539	9	1	530	530		0	30	250	250		0	0			0	0		0		
10	Replacement crude oil pipeline 10 3/4" Icoana-Carlotani in areas: Teleorman river -Tatarastii de Sus, on a length of about 350 m, Tatarastii de Sus commune and Icoana Station, on a length of about 850 m, Icoana locality, Olt county.	927	45	0.5	182	182		0	32	50	100	1.50	700	700			0	0		0		
	Replacement crude oil pipeline 10 3/4" Icoana-Carlotani in areas: Teleorman river -Tatarastii de Sus, on a length of about 350 m, Tatarastii de Sus commune and Icoana Station, on a length of about 850 m, Icoana locality, Olt county.	733	35	0.3	198	198		0	30	50	118	0.90	500	500			0	0		0		

thousand R

INVESTMENTS PROGRAM 2016-2018

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Nr. crt.	Name of the Objective	Value of the objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	KM	Program 2016				out of which:				KM 2017	Estimate 2017	2017			KM 2018	Estimate 2018	2018			Observations
					total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	2017			modernization quota	own sources	2018			modernization quota	own sources		
Total general, o/w:				234,302	13,605	24	56,976	42,326	14,650	7,263	14,320	17,093	18,300	42	82,745	59,921	22,824	27	80,402	58,267	22,135		
I	PUBLIC DOMAIN	188,830	12,861	24	42,796	42,326	470	6,065	10,875	13,075	12,781	37	61,121	59,921	1,200	23	59,867	58,267	1,600				
1	Pipeline Rehabilitation, out of which:	98,660	9,129	24	26,788	26,788	0	3,352	6,825	7,875	8,736	37	37,158	37,158	0	23	21,400	21,400	0				
1.1	Pipeline Replacement	81,128	8,887	24	23,909	23,909	0	3,243	6,485	6,910	7,271	37	28,647	28,647	0	23	15,500	15,500	0				
a)	ONGOING WORKS	59,968	8,887	24	23,209	23,209	0	3,243	6,485	6,795	6,686	32	24,662	24,662	0	4	3,210	3,210	0				
1	Replacement of the crude oil pipeline Ø 14" Constanta-Baraganu, in Valea Nemtor area(1km)	487	9	1	478	478		350	128	0	0		0	0			0	0	0	Execution contract in progress			
2	Replacement crude oil pipeline Ø 10 3/4"-F2 Radnesti-Ploiesti, in Aninoasa- Batar site areas(0.15km), river Izvoras (0.05km) and Dealul Otilului (0.2km), Valcea county, L= 0.4km	433	423		10	10		10	0	0	0		0	0			0	0	0	Finalized, Commissioning is to be performed.			
3	10 3/4" Poliana Lacului - Siliste pipeline, Line1 and Line 2, in Mares area, location cimetry, on both lines, 300m each	381	15	0.00	100	100		0	0	50	50	0.60	266	266			0	0	0	Design and Execution contract in progress			
4	28" Constanta-C1 pipeline, on a total length of 10145 m	14,235	3,735	3.70	6,353	6,353		1,000	2,000	2,000	1,353	3.50	4,147	4,147			0	0	0	Execution contract in progress			
5	24" Baraganu-Calarati pipeline on a total length of 16295 m	14,429	710	8.20	7,019	7,019		0	2,019	2,500	2,500	7.90	6,700	6,700			0	0	0	Execution contract in progress			
6	Replacement of 12 3/4"- Line1 +Line 2 Calareti-Ploiesti pipeline on a total length of 7,915 m, out of which: L1 (5 segments) -4,115 m and L2 (5 segments)-3,800 m.	6,394	194	1.50	900	900		0	10	490	400	6.40	5,300	5,300			0	0	0	Design contract in progress			
7	Crude oil transport pipeline 103/4"- F2 Varteju - Orlesti on a length of 30 m in Radnesti site, by the elimination of the pig stations and on a length of 375 m:	310	15	0	5	5		5	0	0	0	0.40	290	290			0	0	0	Design and Execution contract in progress			
8	Replacement of rich gas transport pipeline ø 4" degasolination Abramut - Marghita Ramp, in the area of the rail line undercrossing Marghita – Saculeni 300 m, Petreu village, Abramut commune and replacement of the crude pipeline Petreu warehouse - Marghita Ramp ø 6 5/8" over a length of about 700 m, Petreu village, Abramut commune, Bihor county:	539	9	1	530	530		0	30	250	250		0	0			0	0	0	Design and Execution contract in progress			
9	Replacement of crude pipeline Ø 10 3/4" Ghiercesti - Icoana in area Section Valve Oltet left river bank - Section Valve Gengea left river bank, on a length of about 2000m.	927	45	0.5	182	182		0	32	50	100	1.50	700	700			0	0	0	Design and Execution contract in progress			
10	Replacement crude oil pipeline 10 3/4"- Icoana- Carotani in areas: Telecom river -Tatarasii de Sus, on a length of about 350 m, Tatarasii de Sus commune and Icoana Station, on a length of about 850 m, Icoana locality, Olt county:	733	35	0.3	198	198		0	30	50	118	0.90	500	500			0	0	0	Design and Execution contract in progress			

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				KM 2016	total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	KM 2017			Estimate 2017	modernization quota			own sources	KM 2018		Estimate 2018	modernization quota	own sources
11	Replacement of the crude oil pipeline L2 10 3/4" Radnesti-Ploiesti, in Troita Bolcraș-Salvaș area(L=2.3km) and in the area plum orchard - Deal Văratec (L=2.4km)	1,765	1,695	0	70	70		70	0	0	0		0	0	0		0	0		0	Execution contract in progress. Finalized replacement, remainin dismantling			
12	Restructuring of the installation pig launcher/receiver in Moreni station	444	30	0.9	414	414		214	200	0	0		0	0	0		0	0		0	Design and execution contract in progress			
13	Replacement of crude oil pipeline Ø 4" and 8 5/8" Comanesti-Vermesti, (4") in the areas undercrossing the National Road and Răis (Zaharose) on a length approx. 238 m and in the area of Urmenis river - behind the thermal power plant 4"x450 m	636	25	0.20	211	211		0	11	100	100	0.50	400	400					0		Design contract in progress			
14	Replacement of the crude oil pipeline Ø 10 3/4" L1 Barbălești-Ortești, Budele area (1.4km)	122	117		5	5		5	0	0	0		0	0	0		0	0		0	Design contract in progress			
15	5 9/16" Turburea-ARPECHIM Pitești ethane pipeline, Amarașia left river bank, Stejar locality, over a length of about 350 m	189	179		10	10		10	0	0	0		0	0	0		0	0		0	Finalized. Commissioning is to be performed.			
16	Crude oil pipeline Ø 6 5/8 " Ochituri-Moreni, Ochituri area site Ochituri station - right bank valve overcrossing on a length of 600 m, in Ocnița pasture land area -Veverița plateau, approx. 3000 m in length and rehabilitation of the pig launcher on the Ø6 5/8 " Ochituri – Moreni pipeline, the precinct of Ochituri crude oil station.	1,370		0.60	330	330		0	50	100	180	3.00	1,040	1,040				0	0		Design contract in progress			
17	Ø 10½" Ghercești-Icoana crude oil pipeline: section – overcrossing Craiova-Ghercești County Road – Ghercești poolside= 370 m, section Teslui right river bank-former river bed= 200 m,section Valea Drăghei area = 250 m, totalling 820 m.	1,326	17	0.3	300	300		0	50	100	150	0.60	1,009	1,009				0	0		Design contract in progress			
18	Crude oil pipeline Ø10½" Icoana-Cartojani, in SPC Birla area, approx. length 850 m, in Mitroși area - agricultural lands, 2400 m in length, Negreni-Cianăia village area, Teleorman county, 1500 m in length, in total 4750 m.	3,963	36	0.50	637	637		37	0	200	400	2.90	2,000	2,000		1.50	1,290	1,290			Design contract in progress			
19	Ø5 9/16" Pacureți-Măgurele pipeline, Săratei river area, 1200m in length	400		0	20	20		5	5	5	5	1.20	380	380			0	0		0	Design contract in progress			
20	Ø 6 5/8" + Ø 8 5/8" Oprisenesti - Ciresu pipeline, 3000 m	1,200		1	420	420		40	0	100	280	2.00	780	780			0	0		0	Design contract in progress			
21	Ø5 9/16 pipeline, Ghelintia station - Imeci ramp on the segment, Sopotul river- v. old Ghelintia warehouse, approx. 4500 m in length.	1,692	195	4.5	1,497	1,497		97	100	700	600				0		0	0		0	Design contract in progress			
22	12"+14" Cartojani, Ploiesti Pipeline in Crivat - Catunu areas 550 m + 30 m horizontal drilling DN Chișinău crossing Coleșina crossing 500 m, Crevedia Mare, Sf Gheorghe and Data, 1100 m	2,550		0.00	130	130		0	30	0	100	0.30	500	500		2.40	1,920	1,920			Design contract in progress			

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				2016 total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	KM 2017	Estimate 2017	modernization quota			own sources	KM 2018			Estimate 2018	modernization quota		own sources
23	Replacement of pipeline section Ø 6 5/8" Teis-Moreni in the area Aninoasa rail valve - rail bridge + road bridge in the area 71 National Road Targoviste-Pucioasa, approx. 1250 m in length, with deviation from private properties and rehabilitation of the pig launcher on the Ø6 5/8" Teis - Moreni, in the precinct of Teis crude oil station	815		165	165		0	65	50	50			650	650			0	0		Design contract in progress			
24	Study regarding the possibility to deviate the pipelines 6" R.A and 6 5/8" Balcoi Centru - Ploiesti Km. 5, by pig receivers and the coupling thereof to the 8" pipeline New.	125		125	125		0	25	50	50			0	0			0	0		Procurement procedure in progress for SS and design. Bid analysis in progress.			
25	Smart pig inline inspection of the lines undercrossing the Danube and Borcea 7 lines x 1800 LM 7 lines x 1400 LM and of the 14 inch pipeline Poarta Alba-Calareti	4,501	1,401	3,100	3,100		1,400	1,700	0	0			0	0			0	0		Execution contract in progress			
b)	NEW WORKS	21,160	0	700	700	0	0	0	115	585	5	3,985	3,985	0	19	12,290	12,290	0					
26	Replacement of Ø 10 3/4" Icoana - Cartojani, Valea Burzii area, L = 350 m	240		40	40		0	0	0	40			200	200			0	0		Design 2016			
27	Pipeline Ø 4" Izvoru - connection Ø 10" Icoana - Cartojani, 2450 LM in length;	165		40	40		0	0	0	40			125	125			0	0		Design 2016			
28	Rehabilitation of 24 inch pipeline in Ovidiu city area, 2450 linear meters in length;	2,560		60	60		0	0	0	60	1.00	1,000	1,000		1.45	1,500	1,500			Solution Study 2016			
29	Replacement of 14 inch pipeline Poarta Alba - Mircea Voda area, 10.5 km in length;	7,500		95	95		0	0	35	60	1.00	700	700		4.00	3,000	3,000			Design 2016			
30	Replacement of pipeline 6" RA Moreni - Ploiesti (on the administrative territory of Ploiesti- Balcoi sector 9000 meters between the end of CR (Rom. RK) in Petrom Arcesti Warehouse and the start og Ploiesti Western Belt undercrossing;	4,250		70	70		0	0	30	40	2.00	700	700		6.00	3,000	3,000			Design 2016			
31	Replacement of a crude oil pipeline section Ø 10 1/2" Line 2 Siliste by route deviation, in Petrobrazi refinery - SKIDS Header area and replacement of pig launcher/receiver, approx. 900 linear meters in length;	720		70	70		0	0	30	40	0.30	350	350		0.30	300	300			Solution Study 2016			
32	Assembly of pig receiver on the crude oil pipeline Ø10" Line 1 Siliste -Ploiesti, Vest Railway Station;	375		25	25		0	0	0	25			300	300			50	50		Design 2016			
33	Replacement of pipeline Ø 4 1/2"Grindu Urziceni, inventory number 121743P section, small Canal - parking site Garbovi border, Ialomita County, approx. 1100 linear meters in length;	340		30	30		0	0	0	30	0.40	110	110		0.70	200	200			Design 2016			
34	Replacement of crude oil pipeline Ø 8 5/8 inch, Lucacesti -Vermesti (Inv. No. 120031) along the section parking Panovski - undercrossing of Moinești - Comanesti National Road, approx. 400 meters;	375		25	25		0	0	0	25			50	50		0.40	300	300		Design 2016			
35	Replacement of crude oil pipeline Ø 8 5/8 inch, Lucacesti -Vermesti (Inv. No. 120031) along the section Lucacesti Station - Magura hill, approx. 1.7 km in length + 6" joint (Petrom) up to Moinești ramp, for about 0.7 km	995		45	45		0	0	0	45			50	50		2.40	900	900		Design 2016			

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					2016 total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota			own sources	modernization quota			own sources		
36	Replacement of pipeline sections Ø 10 3/4" Line 1 + Line 2 Polana - Laculul - Silistea, approx. 570 m in length, on each of the two pipelines, around Cobia commune, Bîldani locality, Dambovitza county, between the left bank of the valley from the former park 14 Cobia and the stone road, Bîldani locality.	370			20	20		0	0	0	20		50	50		1.14	300	300	Design 2016		
37	Replacement of pipeline sections Ø 10 3/4" Line 1 + Line 2 Silistie - Ploiesti, approx. 2700 meters in length, on each of the two pipelines, in the area overcrossing the irrigation canal, Buceani locality and on the left side of the County Road 720 A, Adanca - Buceani	1,660			60	60		0	0	20	40		100	100		1.40	1,500	1,500	Design 2016		
38	Replacement of the pipelines sections Ø 10 3/4" Line 1 + Line 2 Silistie - Ploiesti, approx. 160 meters in length, on each of the two pipelines, in the area of Cazaci locality, Dambovitza county, at the undercrossing of DN 71 National Road Baidana - Targoviste - Sinaia.	270			30	30		0	0	0	30		40	40		0.15	200	200	Design 2016		
39	Replacement of the pipeline 6 5/8" Barbatesti ramp - Petresti, section describing 220 meters in length, around departure pumping station - corner fence unloading ramp	115			15	15		0	0	0	15		10	10		0.22	90	90	Design 2016		
40	Replacement of crude oil pipeline Ø10 3/4" Vartelu - Radnesti, section - 400 meters in length in Hategesti	525			25	25		0	0	0	25		50	50		0.25	450	450	Design 2016		
41	Replacement works, on the crude oil pipeline Ø10 3/4" Line 2 Radnesti - Oresti, Inv. No. 122240P. Glavile commune, Valcea county, on a length of 2500 meters	700			50	50		0	0	0	50	0.15	150	150		0.70	500	500	Design 2016		
1,2	Safe Disposal Works	17,532	242	0	2,879	2,879	0	109	340	965	1,465	0.00	8,511	8,511	0	0.00	5,900	5,900	0		
a)	ONGOING WORKS	11,952	242	0	2,599	2,599	0	109	340	965	1,185	0.00	7,911	7,911	0	0.00	1,200	1,200	0		
1	Safe disposal works Arges river crossing, Cateasca area, Arges county, stage 2:	4,529	29		300	300		0	150	0	150		4,200	4,200			0	0	Solution study finalized		
2	Safe disposal works related to aerial crossing Arges river, Ralesti area, Arges county, left bank:	1,571	1		165	165		50	0	50	65		1,405	1,405			0	0	Design contract in progress		
3	Safe disposal works related to Cotmeana river under-crossing, on the crude pipelines Ø 10 3/4" Line 1 si Line 2 Oresti-Polana Laculul, ethane pipeline Ø 5 9/16" Turburea -Arpechim, optical fiber support pipeline Ø 6 5/8" L2 Oresti-Albota, in Spata locality area, Lipia village, Arges county:	754	99		655	655		5	50	300	300		0	0			0	0	Solution study and design contract in progress.		
4	Safe disposal works related to Vedeia river under-crossing, by crude pipeline Ø 6 5/8" Lacul - Icoana, in Icoana locality area, Olt county:	341	41		300	300		0	0	150	150		0	0			0	0	Procurement procedure for execution in progress		
5	Safe disposal works related to scaffold for crude pipeline crossing Ø 10 3/4" Line 1 and Line 2 Oresti-Polana Laculul, ethane pipeline Ø 5 9/16" Turburea -Arpechim, Dragoesti commune, village Bucumeni, Valcea county:	763	59		704	704		54	100	300	250		0	0			0	0	Design contract in progress		

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				KM 2016	total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota	own sources			modernization quota	own sources					
6	River bank defence works at the undercrossing of the crude pipeline Ø 10½" L1 Barbatesti - Ortesti, ethane pipeline Ø 5 9/16" Tulburea - Arpechim, optical fiber Ø 5 9/16 "Barbatesti-Ploiesti, Pisceana river, Amarasi commune, Valcea county.	1,000			35	35		0	0	15	20			365	365			600	600			Procurement procedure progress for appraisal
7	Solution study and execution of land consolidation works in the safety area of the crude pipeline Line 1 Barbatesti- Ploiesti, in the area of Pisceana river right bank, Livezi locality, Valcea county	965			65	65		0	0	15	50			500	500			400	400			Procurement procedure progress for SS and design.
8	Technical appraisal of Popu overcrossing of the Troilus river, 182 m in length.	775			75	75		0	0	25	50			500	500			200	200			Procurement procedure progress for appraisal
9	Works for consolidation of piles, fix and mobile bearers and pre-stressing cross-ties at Arges river crossing, Calasca area, Arges county.	891			100	100		0	0	50	50			791	791			0	0			Procurement procedure progress for design and execution
10	Safe disposal works related to aerial crossing of Prahova river by Cartojani - Ploiesti 12 ½" and 14 ½" pipelines, Stejaru village, Brazi commune, Prahova county.	363	13		200	200		0	40	60	100			150	150			0	0			Procurement procedure progress for design
b)	NEW WORKS	5,580	0	0	280	280	0	0	0	0	280	0.00		600	600	0	0.00	4,700	4,700	0		
11	Solution study and safe disposal works related to the crude oil pipeline Ø10 ½" Line 1 Barbatesti - Ortesti in Verdea Area, Amarasi commune, Verdea Village, Valcea county	1,160			60	60		0	0	0	60			100	100			1,000	1,000			SS 2016
12	Solution study and works for the consolidation of land/safe disposal of the crude oil pipeline Ø 10½" L1 Barbatesti-Ortesti in Ortesti locality, Ortesti commune, Valcea county.	1,260			60	60		0	0	0	60			100	100			1,100	1,100			SS 2016
13	Safe disposal of the pipeline Ø 6 5/8" Unati - Ploiesti and Ø4" optical fiber support at Teleajen River undercrossing	850			50	50		0	0	0	50			100	100			700	700			Design 2016
14	Safe disposal works related to the Cartojani - Ploiesti Ø12 ½" and Ø14 ½" pipelines undercrossing, Ciocogaria river, Dambovitza county	1,260			60	60		0	0	0	60			200	200			1,000	1,000			Design 2016
15	Safe disposal works of the crude oil pipeline Ø10 ½" Line 2 Radnesti – Ortesti, at Pisceana and Arinoasa rivers crossings	1,050			50	50		0	0	0	50			100	100			900	900			Design 2016
2	Modernization and monitoring of the cathodic protection system at central and sectoral level, related to Ticleni-Ploiesti, Line 1 and Line 2 crude oil transport pipelines	11,535	2,635		8,900	8,900		1,900	3,000	3,000	1,000			0	0			0	0			Execution contract in progress
3	Modernization and monitoring of the cathodic protection system related to the domestic and import National Transport System – design	814	224		590	590		290	300	0	0			0	0			0	0			Design contract in progress

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					total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	KM 2017	Estimate 2017	modernization quota			own sources	KM 2018			Estimate 2018	modernization quota		own sources
4	Modernization and monitoring of the cathodic protection system related to the domestic National Transport System – execution	9,675			100	100		0	0	0	100		1,575	1,575			8,000	8,000						
5	Modernization and monitoring of the cathodic protection system related to the Import National Transport System – execution	9,675			0	0		0	0	0	0		100	100			1,575	1,575						
6	Pilot system for detection and location of product leaks from the crude oil major pipelines system Videle - Cartojani – Ploiesti	4,265	150		5	5		0	0	0	5		1,600	1,600			2,510	2,510						
7	Consultancy and Technical Assistance	150			50	50		0	0	0	50		50	50			50	50						
8	Tanks	12,411	143	0	1,150	1,150	0	100	20	530	500	0.00	5,008	5,008	0	0.00	6,110	6,110	0					
1	Modernization of Balcoi tank farm	684	57		100	100		0	20	30	50		527	527			0	0				Design and execution contract in progress		
2	PECICA R1 Tank	745	40		200	200		0	0	100	100		505	505			0	0				Execution contract in progress. Site delivery conditioned by the tank cleaning		
3	Barbatesti R6 Tank	1,222	46		300	300		0	0	150	150		876	876			0	0				Execution contract in progress. Site delivery conditioned by the tank cleaning		
4	Polana Lacului new tank	1,500			150	150		50	0	50	50		800	800			550	550				Design contract in progress		
5	Rehabilitation of R9 Tank Cartojani																					Design contract in progress		
6	Rehabilitation of the 500 cubic meters buffer tank in Baraganu station	1,610			150	150		50	0	50	50		800	800			660	660				Design/execution NEW TANK		
7	Calareti Fire Prevention and Extinguishing (From. PSI) Installation Tank	500			100	100		0	0	50	50		400	400			0	0				Design/execution NEW TANK		
8	Rehabilitation of R3 crude oil tank, Calareti station	1,150			50	50		0	0	50	0		100	100			1,000	1,000				Design/execution NEW TANK		
9	Energy Works:	5,000			100	100		0	0	50	50		1,000	1,000			3,900	3,900				Design 2016		
1	Modernization of exterior illumination equipment by making use of the LED technology sources - East Division and South Division	7,065	117	0	1,198	1,198	0	108	250	450	390	0.00	5,750	5,750	0	0.00	0	0	0	0	0	Design contract in progress		
2	Modernization of exterior illumination equipment by making use of the LED technology sources - West Division and Import Division	2,325			375	375		25	50	150	150		1,950	1,950			0	0	0	0	0	Design contract in progress		
3	Modernization of power feeding in Ineci crude oil loading ramp	2,325			75	75		25	50	0	0		2,250	2,250			0	0	0	0	0	Design contract in progress		
		1,135	12		323	323		23	100	100	100		800	800			0	0	0	0	0	Design contract in progress		

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					total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota			own sources	modernization quota			own sources		
4	Modernization of power plant and heating network Marghita	200			50	50		0	0	50	0		150	150			0	0		Design 2016	
5	Modernization of the vibration and temperature monitoring system for the pumping equipment implemented inside the domestic crude oil transport system	750			150	150		0	0	50	100		600	600			0	0		Design 2016	
6	Modernization of the vibration and temperature monitoring system for the pumping equipment implemented inside the automated stations Calareil and Constanta Sud	190			190	190		0	50	100	40		0	0			0	0		Design + execution 2016	
7	Joint for electric power feeding Dragos Voda	110	105		5	5		5	0	0	0		0	0			0	0		Design and execution contract signed per connection tariff. Building permit has been obtained	
8	Water feeding fire tank R 28 Moreni	30			30	30		30	0	0	0		0	0			0	0	0	Execution	
10	Telecommunication Works: Enhancing transport capacity microwaves radiorelays on the section Baraganu -Constanta and relocation of Constanta Nord	980	0	0	980	980	0	0	130	450	400	0.00	0	0	0	0.00	0	0	0		
1	Modernization of the PABX telephone office in locations Ploiesti 1848, Ploiesti Garage, Polana Iacului, Baraganu and Moinesil	300			300	300		0	50	150	150		0	0			0	0	0		
3	Optimization of network access Ethernet multiplexors	330			330	330		0	30	150	150		0	0			0	0	0		
11	Modernization of the pumping systems	10,658	461	0	1,290	1,290	0	165	250	250	625	0.00	2,600	2,600	0	0.00	6,307	6,307	0		
1	Modernization of Moreni pumping station	1,105	5		150	150		25	0	0	125		600	600			350	350		Design contract in progress	
2	Modernization of Opişeneşti pumping system	1,162	5		150	150		25	0	0	125		600	600			407	407			
3	Modernization of Madulari pumping system	1,105	5		150	150		25	0	0	125		600	600			350	350			
4	Modernization of Ciresu pumping system	578	28		550	550		50	250	250	0		0	0			0	0	0	Execution contract in progress	
5	Modernization of pumping system and restructuring of manifolds in Cerdac station	1,450			50	50		0	0	0	50		100	100			1,300	1,300		Design 2016	
6	Modernization of Potlogi pumping system	1,450			50	50		0	0	0	50		100	100			1,300	1,300		Design 2016	
7	Modernization of Ghelintia pumping system;	1,450			50	50		0	0	0	50		100	100			1,300	1,300		Design 2016	
8	Modernization of Ochiluri pumping system	1,450			50	50		0	0	0	50		100	100			1,300	1,300		Design 2016	
9	Modernization of Marghita pumping system (here included pump house)	450			50	50		0	0	0	50		400	400			0	0	0	Design 2016	
10	Modernization of Bucsanu pumping system	459	419		40	40		40	0	0	0		0	0			0	0	0	Execution contract in progress	
12	Ramps modernization	9,001	1	0	600	400	200	150	50	50	350	0.00	3,950	2,750	1,200	0.00	4,450	2,850	1,600		
1	Modernization of Independenta crude oil ramp	3,001	1		200		200	100	0	0	100		1,200		1,200		1,600		1,600	Design contract in progress	
2	Modernization of Ciresu ramp	2,000			150	150		0	0	0	150		850	850			1,000	1,000		Design 2016	
3	Modernization of Berca ramp	1,500			100	100		0	0	0	100		900	900			500	500		Design 2016	
4	Modernization of Ineci ramp	2,500			150	150		50	50	50	0		1,000	1,000			1,350	1,350		Design 2016	
13	Buildings, stations' fencing	271	1	0	270	0	270	0	0	220	50	0.00	0	0	0	0.00	0	0	0		

Nr. crt.	Name of the Objective	Value of the objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	Program 2016				out of which:				KM 2017	2017		KM 2018	2018		Observations		
				KM 2016	total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV		Estimate 2017	modernization quota		own sources	Estimate 2018		modernization quota	own sources
1	Modernization of building social group Barbatesti warehouse	10	0		10		10	0	0	10	0			0			0	Design + execution		
2	Modernization of warehouse's storage building Barbatesti 2	10	0		10			10	0	0	10	0		0			0	Design + execution		
3	Modernization of Fire Prevention and Extinguishing (Rom. PSI) Shed 1 Barbatesti ramp	20	0		20			20	0	0	20	0		0			0	Design + execution		
4	Modernization of Fire Prevention and Extinguishing (Rom. PSI) Shed 2 Barbatesti ramp	20	0		20			20	0	0	20	0		0			0	Design + execution		
5	Polana Lacului fencing	60	0		60			60	0	0	60	0		0			0	Design + execution		
6	Marghita ramp fencing	150	0		150			150	0	0	100	50		0			0	Execution		
14	Automation and SCADA works:	13,325	0	0	635	635	0	0	0	200	435	0.00	3,240	3,240	0	0.00	9,450	9,450	0	
1	Modernization of the automation of the leaks tanks in Calareti stations A and B	50			50	50			0	0	25	25			0			0		
2	Automation of rail tanks loading system Suplac	250			250	250			0	0	150	100			0			0		
3	Local automation non-modernized stations - design 2016, ex 2017-2018	575			75	75			0	0	25	50			250			250		
4	Optimization of SCADA system and Hardware and Software of the Remote Transmission Unit (RTU) 2016-2019	9,200			10	10			0	0	0	10		1,490	1,490			7,700	7,700	
5	Patrimonial Geographic Evidence System, Phase 1	250			250	250			0	0	0	250			0			0		
6	Patrimonial Geographic Evidence System, Phase 2	1,000			0	0			0	0	0	0		1,000	1,000			0		
7	Patrimonial Geographic Evidence System, Phase 3	1,000			0	0			0	0	0	0			0			1,000	1,000	
8	Automated system for the segmentation on a pilot route	500			0	0			0	0	0	0			0			500	500	
9	Modernization of the loading/unloading ramps	500			0	0			0	0	0	0			500			0		
15	Other works:	100	0	0	100	100	0	0	50	50	0	0.00		0	0	0.00		0	0	
1	Rehabilitation of the access road to Barbatesti warehouse	100			100	100			0	50	50	0			0			0		
16	Projects, Studies, Technical Appraisals, out of which:	245	0	0	140	140	0	0	0	0	140	0.00	90	90	0	0.00	15	15	0	
1	Solution Study regarding the adaptation of a number of measuring skids in view of optimizing the operation thereof	75			75	75			0	0	0	75			0			0		
2	Feasibility study regarding an automated system for the surveillance of the main lines	75			0	0			0	0	0	0			75			0		
3	Other Studies	95			65	65			0	0	0	65			15			15		
II	OPERATING AREA	45,473	745	0	14,180	0	14,180	1,198	3,445	4,018	5,519	5.40	21,624	0	21,624	4.00	20,535	0	20,535	
	Investment Objectives, out of which:	45,473	745	0	6,930	0	6,930	698	865	2,398	2,969	5.40	18,624	0	18,624	4.00	18,035	0	18,035	
1	Pipeline Rehabilitation:	8,484	258	0	617	0	617	50	135	165	267	5.40	3,739	0	3,739	4.00	3,870	0	3,870	
	Replacement crude oil pipeline Ø 10 3/4" Vermesti-Tg. Ocna-Rato Onești, in Bogata-Balta Doiteana areas (2.5km), Caraboaia river- Uz river (1km), Larga bridge - Troilus crossing (3 km), L=6.5 km	3,600	180		50		50	0	0	0	50	0.50	1,000		1,000	1.50	2,370		2,370	
																			Design contract in progress	

Nr. crt.	Name of the Objective	Value of the objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	Program 2016				out of which:				KM 2017	Estimate 2017	2017		KM 2018	Estimate 2018	2018		Observations
				KM 2016 total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota			own sources	modernization quota			own sources		
2	Crude pipeline Ø 10 3/4" Vermesti-Tg Ocna - Rădăușeni, areas pig station Tg Ocna - Monument Zaharia, L=2 km, v. SPV Bogata - Valea Doftana, L= 1 km	470	60	20	20	0	0	20	0	1.00	390	390	0	0	0	Design contract in progress. Difficulties with the authorization				
3	Crude pipeline Ø 6 5/8" Uriati-Ploiesti, Matizol-Ploiesti Eastern belt highway area, L= 1,5 km	847	37	37	0	0	0	37	1.80	810	810	0	0	0	Design contract in progress					
4	Replacement of a section, 2500 ml in length, of the crude pipeline 6 5/8" Pig station Banesti-Balcoi Centre, between overcrossing of Doftana left bank and Aurel Vlaicu monument in Banesti commune	1,445	70	70	0	35	0	35	0.50	375	375	1.50	1,000	1,000	Solution Study and design contract in progress					
5	Ø 6 1/2" rich gas pipeline Ticleni - Ploiesti: 300 m section in Dicușeni area, Valcea	290	60	60	0	0	30	30	0.30	230	230	0	0	0	Procurement procedure in progress.					
6	Ø 6 1/2" rich gas pipelineTicleni - Ploiesti: 300 m section in Faurești area (police station) Valcea and 300 m section in Plesoiu-Sălcia area (Dolj)	512	18	250	250	50	100	50	50	0.10	244	244	0	0	0	Design contract in progress				

Nr. crt.	Name of the Objective	Value of the objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	KM	Program 2016				out of which:				KM Estimate 2017	2017		KM Estimate 2018	2018		Observations
					2016 total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	modernization quota		own sources	modernization quota		own sources		
8	Replacement of a section of the crude oil pipeline Ø 8 5/8" NEW by route deviation, in Petrobrazi refinery - SKIDS Manifold area and replacement of pig launcher/receiver, approx. 800 linear meters in length. Replacement of crude oil transport pipeline Ø 10 3/4" Vermest-Ratio Onești (inventory number 120036) along the route: Vermest work site – Pipou crossing of Trotus river in a length of about 1.4 km	490			70		70	0	0	35	35	0.80	420		420	0		0	Desin 2016 - Soluțio Study
2	Water feed	220	0	0	220	0	220	50	100	70	0	0.00	0	0	0	0.00	0	0	Design 2016
1	Barbatesti Water Feed	220			220		220	50	100	70	0		0		0		0		
3	Buildings, station fencing	12,713	464	0	1,505	0	1,505	55	350	600	500	0.00	3,835	0	3,835	0.00	3,500	0	Design and Execution contract in progress.
1	Modernization of administrative headquarters II building ensemble	10,000	291		300		300	50	100	100	50		3,000		3,000		3,000		Design contract in progress
2	Moinești garage building	1,154	4		150		150	0	50	50	50		500		500		500		Design + execution
3	Orlești OHS office building	201	1		100		100	0	25	50	25		100		100		0		Design + execution
4	Automobile garage and service repair buildings Orlești	56	1		50		50	0	0	25	25		5		5		0		Design + execution
5	Headquarters Biled-Pecica sector	56	1		50		50	0	0	25	25		5		5		0		Design + execution
6	Offices Building Pecica ramp	201	1		100		100	0	25	50	25		100		100		0		Design + execution
7	Jendernes building Barbatesti warehouse	207	2		200		200	0	25	100	75		5		5		0		Design + execution
8	Service repair building Barbatesti warehouse	116	11		100		100	0	25	50	25		5		5		0		Design + execution
9	Deposit building warehouse Barbatesti 1	12	1		10		10	0	0	5	5		1		1		0		Design + execution
10	Dooman building Barbatesti warehouse	23	1		20		20	0	0	10	10		2		2		0		Design + execution
11	Social building Barbatesti ramp	206	1		200		200	0	50	50	100		5		5		0		Design + execution
12	Building for shunting procedures Barbatesti ramp	55	0		50		50	0	0	25	25		5		5		0		Design + execution
13	Dooman building Barbatesti ramp	22	0		20		20	0	0	10	10		2		2		0		Design + execution
14	Residential building Barbatesti ramp	252	2		150		150	0	50	50	50		100		100		0		Design + execution
15	Modernization of Constanta Sud II Dispatch House	150	145		5		5	5	0	0	0		0		0		0		Design + execution
4	LDH and tank cars	4,303	0	0	213	0	213	0	0	13	200	0.00	1,825	0	1,825	0.00	2,265	0	Finalized. Commissioning is to be performed.
1	Transformation of LDH 1250 HP in locomotive LEA 155 KW Barbatesti ramp	2,025			200		200	0	0	0	200		1,825		1,825		0		
2	PR tank cars	1,078			13		13	0	0	13	0		0		0		1,065		
3	RR LDH	1,200			0		0	0	0	0	0		0		0		1,065		
5	Other works:	19,752	22	0	4,305	0	4,305	543	280	1,550	1,932	0	9,225	0	9,225	0	6,200	0	
1	Climatization and monitoring of the locations related to the telecommunication system	580			580		580	0	80	250	250		0		0		0		
2	Modernization of the IT network	1,025			1,000		1,000	0	0	500	500		25		25		0		
3	ERP Modernization	14,150			750		750	0	0	250	500		7,200		7,200		6,200		
4	Video surveillance systems in 10 CONPET locations	1,060			60		60	0	0	0	60		1,000		1,000		0		

Recommended for analysis and endorsement in the BoA meeting dated

Nr. crt.	Name of the Objective	Value of the objective	Achieved value estimated up to 31.12.14 for the investment objectives previously contracted	KM		Program 2016		out of which:				KM		2017		KM		2018		Observations
				2016	total, o/w:	modernization quota	own sources	Q I	Q II	Q III	Q IV	2017	Estimate 2017	modernization quota	own sources	2018	Estimate 2018	modernization quota	own sources	
5	Modernization of relay station building	509	22		487		487	0	200	200	87		0		0		0		0	Design and execution contract in progress.
6	Implementation and wireless infrastructure equipment at CONPET headquarters in Ploiesti	108			108		108	108	0	0	0		0		0		0		0	Design and execution contract in progress.
7	Data center	135			135		135	0	0	0	135		0		0		0		0	SF 2016
8	Implementation of a Document Management solution	435	0		435		435	435	0	0	0		0		0		0		0	Execution contract in progress
9	Information and Business Center CONPET S.A. headquarter I	1,750			750		750	0	0	350	400		1,000		1,000					
6	Intangible investments				70		70	0	0	0	70		0		0		2,200		2,200	
	Independent Facilities and Equipment				7,250		7,250	500	2,580	1,620	2,550		3,000		3,000		2,500		2,500	

Director of the Economic Direction - Econ. Sanda Toader- S.s. Illegible

Director of the Operations Direction - Ph.D. Eng. Gh. Ionescu - S.s. Illegible

Director of the Critical infrastructures protection Direction - Econ. Daniel Niculae - S.s. Illegible

Manager of the Production Department - Eng. Liviu Zoican - S.s. Illegible

Deputy Manager of the Production Department - -Eng. V. Antonescu - S.s. Illegible

Manager of the Maintenance Department - Ph.D. Eng. Ion Beldiman - S.s. Illegible

Manager of the IT-Telecommunications-SCADA Department - Eng. Dan Buzatu

Manager of the Procurement and Investments Management Department - Eng. R. Albu - S.s. Illegible

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and for approval of the OGMS on

CONPET S.A. PLOIESTI

DEPARTMENT FOR PROCUREMENT AND INVESTMENT MANAGEMENT

INVESTMENTS MANAGEMENT BUREAU

**2016 Independent Facilities and Equipment
(other tangible assets procurement)**

Thousand RON

Nr. crt.	Name of the the machinery	Quantity	2016 Program	Observation
A	Mijloace auto si de interventie	11	2,669	
1	Buldoescavator	5	1,913	Cartojani, Sectors Urlati-Berca-Ciresu, Barbatesti, Calareti, Constanta
2	Land utility vehicles	6	756	S. Transp.
B	CAMPUS MODULES	7	230	
1	Campus Modules	7	230	Cartojani (Potlogi), Calacea, Satchinez, Pecica, Barbatesti, Petreu, Dofteana
C	TECHNOLOGICAL INSTALLATION AND EQUIPMEHNT	35	1,880	
1	Explosimeter	3	10	Constanta, Barbatesti, Moreni
2	Portable machinery for the rectification of valve surfaces	1	190	Mechanical Service
3	Stand for Testing Valves Pressure	1	700	Mechanical Service
4	Hydraulic man actuated Pump	4	25	Mechanical Service
5	Portable cranes	5	140	Mechanical Service
6	Lift & Drag devices - cable control 5 t	3	35	Mechanical Service
7	Set chei hidraulice	4	450	Mechanical Service
8	Transformer 1000 KVA	1	50	Poiana Lacului
9	Transformer 400 KVA	1	25	Lucacesti
10	ACV Pump	1	40	Cartojani
11	Roller blade device 6-8 "	1	4	Poiana Lacului
12	Assembly Honda-converter	3	15	Calareti, C-ta, Baraganu
13	Electric generator with voltage stabiliser	2	10	Baicoi+Urlati Maintenance Team
14	Motopompa evacua apa	2	18	Sectors Moreni-Siliste/ Orlesti-Ghercesti
15	Professional Micro-ohmmeter	1	68	Energy Service
16	Tester for measurement of soil resistivity	1	20	Energy Service
17	Device for burning electrical wiring	1	80	Energy Service
D	COMPUTER TECHNOLOGY	151	377	
1	Desktop	50	150	IT Service
2	Laptop	25	113	
3	Monochrome copiers A4	70	98	IT Service
4	Color copiers A4	6	16	

Nr. crt.	Name of the the machinery	Quantity	2016 Program	Observation
E	LABORATORY TECHNOLOGY	75	712	
1	Densimeter DMA 4100M	1	52	Quality Control Bureau
2	portable digital densimeter	16	136	Quality Control Bureau
3	Device for the measurement of the tank temperature	16	112	Quality Control Bureau
4	Heated centrifuge	10	240	Quality Control Bureau
5	Thermostated bath	11	77	Quality Control Bureau
6	Heating Mantle	6	8	Quality Control Bureau
7	Distillation Unit	14	6	Quality Control Bureau
8	Water distillation device	1	81	Quality Control Bureau
F	OTHER EQUIPPMENT	39	1,345	
1	Color copier A4	4	45	Administrative Service
2	Monochrome copiers A4	12	75	Administrative Service
3	Industrial computer for prover operation	3	50	Automation Service
4	Night vision devices	17	680	Guard Service
5	Pipeline surveillance devices		450	Guard Service
6	Cleaning devices Central Dispatch	2	30	Administrative Service
7	Hood Fire Extinguishing Installation	1	15	Administrative Service
	Other equipment		37	
	TOTAL GENERAL	318	7,250	

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